AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (canceled).

2. (canceled).

3. (currently amended): A planographic printing plate precursor comprising:

a support; and

an image recording layer which has a two-layer structure including a first layer containing a binder polymer and a second layer containing a binder polymer, a polymerization initiator, a polymerizable compound, and an IR absorber, the first layer and the second layer having different curing properties,

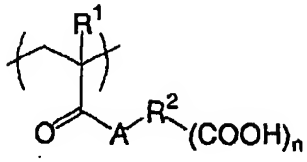
wherein:

after being exposed with a laser beam, a developing rate of an unexposed portion of the image recording layer by an alkaline developer having a pH of 10 to 13.5 is 100 nm/sec or more, where the developing rate refers to a value obtained by dividing a film thickness (nm) of the image recording layer by an amount of time (sec) required to develop the image recording layer; and

after being exposed with a laser beam, a permeation rate of the alkaline developer to an exposed portion of the image recording layer is 100 nF/sec or less, where the permeation rate refers to a value indicating a rate of change of electrostatic capacity (F) when the image recording layer is formed on a conductive support, and dipped in the developer; and

wherein the binder polymer in the first layer contains a polymer having a repeating structural unit represented by the following general formula (I):

General formula (I)



wherein R^1 represents a hydrogen atom or a methyl group; R^2 represents an (n+1) valent substituted or unsubstituted hydrocarbon group having an alicyclic structure with 3 to 30 carbon atoms in which one or more carbon atoms of R^2 may be replaced by an oxygen atom or a nitrogen atom; A represents an oxygen atom or a NR^3 group in which R^3 represents a hydrogen atom or a substituted or unsubstituted monovalent hydrocarbon group having 1 to 10 carbon atoms; and n represents an integer from 1 to 5.

4. (original): The planographic printing plate precursor of claim 3, wherein the binder polymer in the first layer has an alkali soluble group and a hydrophobic group.

5. (canceled).

6. (original): The planographic printing plate precursor of claim 3, wherein the first layer has a thickness after drying in a range of 0.01 to 1.5 μm.

7. (canceled).

8. (original): The planographic printing plate precursor of claim 3, wherein the polymerization initiator is a radical generator.

9. (original): The planographic printing plate precursor of claim 3, wherein the polymerization initiator is a thermally decomposing radical generator.

10. (original): The planographic printing plate precursor of claim 3, wherein the second layer further contains a co-sensitizer.

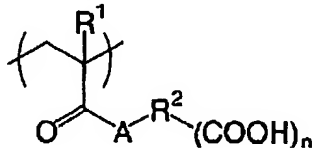
11. (currently amended): A planographic printing plate precursor comprising:

a support; and

an image recording layer which has a two-layer structure including a first layer containing a binder polymer and a second layer containing a binder polymer, a polymerization initiator, a polymerizable compound, and an IR absorber, the first layer and the second layer having different curing properties,

wherein the binder polymer in the first layer contains a polymer having a repeating structural unit represented by the following general formula (I):

General formula (I)



wherein R^1 represents a hydrogen atom or a methyl group; R^2 represents an (n+1) valent substituted or unsubstituted hydrocarbon group having an alicyclic structure with 3 to 30 carbon atoms in which one or more carbon atoms of R^2 may be replaced by an oxygen atom or a nitrogen atom; A represents an oxygen atom or a NR^3 group in which R^3 represents a hydrogen atom or a substituted or unsubstituted monovalent hydrocarbon group having 1

to 10 carbon atoms; and n represents an integer from 1 to 5.

12. (previously presented): The planographic printing plate precursor of claim 11, wherein:

after being exposed with a laser beam, a developing rate of an unexposed portion of the image recording layer by an alkaline developer having a pH of 10 to 13.5 is 100 to 300 nm/sec, where the developing rate refers to a value obtained by dividing a film thickness (nm) of the image recording layer by an amount of time (sec) required to develop the image recording layer; and

after being exposed with a laser beam, a permeation rate of the alkaline developer to an exposed portion of the image recording layer is 80 nF/sec or less, where the permeation rate refers to a value indicating a rate of change of electrostatic capacity (F) when the image recording layer is formed on a conductive support, and dipped in the developer.

13. (original): The planographic printing plate precursor of claim 11, wherein the binder polymer in the first layer has an alkali soluble group and a hydrophobic group.

14. (original): The planographic printing plate precursor of claim 11, wherein the first layer has a thickness after drying in a range of 0.01 to 1.5 μm.

15. (canceled).

16. (original): The planographic printing plate precursor of claim 11, wherein the polymerization initiator is a radical generator.

17. (original): The planographic printing plate precursor of claim 11, wherein the polymerization initiator is a thermally decomposing radical generator.

18. (original): The planographic printing plate precursor of claim 11, wherein the second layer further contains a co-sensitizer.

19. (original): The planographic printing plate precursor of claim 11, wherein the binder polymer in the first layer contains a copolymer containing the repeating structural unit represented by general formula (I) and another copolymer component, and the repeating structural unit represented by general formula (I) is contained in the copolymer in an amount of 1 to 99% by mol based on a total polymer content.

20. (original): The planographic printing plate precursor of claim 11, wherein the binder polymer in the first layer has a molecular weight of 2,000 to 1,000,000.

21. (original): The planographic printing plate precursor of claim 11, wherein the binder polymer in the first layer has an acid value (meq/g) in a range of 2.00 to 3.60.

22. (original): The planographic printing plate precursor of claim 11, wherein the polymerization initiator is an onium salt.

23. (new): The planographic printing plate precursor of claim 3, wherein the binder polymer in the second layer is allyl methacrylate / methacrylic acid copolymer.

24. (new): The planographic printing plate precursor of claim 11, wherein the binder polymer in the second layer is allyl methacrylate / methacrylic acid copolymer.